



Unique Disposition of Abandoned Powerhouses Saves Money

In November 1995, Westinghouse Savannah River Company (WSRC) contracted with Electric Motor Service Company (EMS) of Charleston, West Virginia, to sell "as is" the powerhouses in P Area and C Area. EMS agreed to pay WSRC \$1,150 for the two facilities and contracted to remove and dispose of all electrical and mechanical systems, structural steel and support systems, and structural concrete to one foot below grade. WSRC had previously isolated utility and communication systems to minimize lock-outs which would require coordination with surrounding facilities during removal activities.

Following contract award, EMS used the early part of the schedule to characterize the facility and obtain detailed component nameplate data to thoroughly investigate salvage and sales opportunities. EMS was also responsible for obtaining permits, removing asbestos, and disposing of waste.

Representatives from both domestic and foreign manufacturing facilities such as sugar refineries and steel mills toured the facilities and reviewed component information for potential matches with their needs. Only minimal field dismantlement work was performed during the initial nine to twelve months, as EMS determined which components were candidates for resale and which were merely scrap metal.

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...and now for the GOOD NEWS

FACILITIES DECOMMISSIONING DIVISION



P-Area powerhouse prior to demolition. C-Area powerhouse is very similar in design.



Powerhouse demolition and asset recovery in progress.



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Work began at P-Area powerhouse in late 1996. Many P-Area components, which had been added or upgraded during reactor restart efforts, had a fairly high resale potential. Major salvaged components included two steam turbines, internal tubing from both boilers, coal handling equipment, a rail car shaker, a cooling tower, and various valves and electrical switch gear items.

The powerhouse in C Area is much smaller and older. It has stood unused without maintenance for a much longer period of time than the P-Area powerhouse, and the potential salvage yield was not as high. Upgrades such as asbestos removal which had been performed in P Area had not been done in C Area. The result was a longer time period required to characterize and dispose of waste associated with the C-Area powerhouse. Final outcome has been that salvage operations at the C-Area powerhouse has been limited to smaller items, and most of the larger components have been disposed of as scrap metal.

The Facilities Decommissioning Division, which manages this innovative project to dispose of surplus equipment, views it as a "win-win" for everyone involved. The DOE removes surplus powerhouses for little or no cost, the contractor receives valuable assets, the end-user of the equipment gets good used equipment at reasonable prices, and the economy is boosted through job creation.



Completed P-Area powerhouse dismantlement and demolition site. C-Area powerhouse will be complete in early FY99.

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